

ABSTRACT OF THE DISCLOSURE UNDER 37 C.F.R. §1.72(b)

In an OFDM-TDMA power line communication system, time slot and carrier frequencies are assigned in a manner that reallocates time slots and carrier frequencies to enhance the efficiency of utilization of bandwidth. The
5 reassignments are communicated between transmitting and receiving stations by transmitting tone maps that designate the reassignment of the time slots and carriers. Several variations are presented depending upon the circumstances of channel use and prior assignment of time slots and channels.